

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P295265

Luminaire Tested: **LD4B30DE010 EU4B30509030D2W 4LBM0H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P295265
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35173)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD4B30DE010 EU4B30509030D2W 4LBM0H
Description: PORTFOLIO 4" D2W RN DOWNLIGHT, MEDIUM DISTRIBUTION WITH HAZE FINISH
Light Source: D2W 1800K-3000K CCT TUNING RANGE
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1813.3 lumens
Efficiency: N/A
Efficacy: 59.5 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

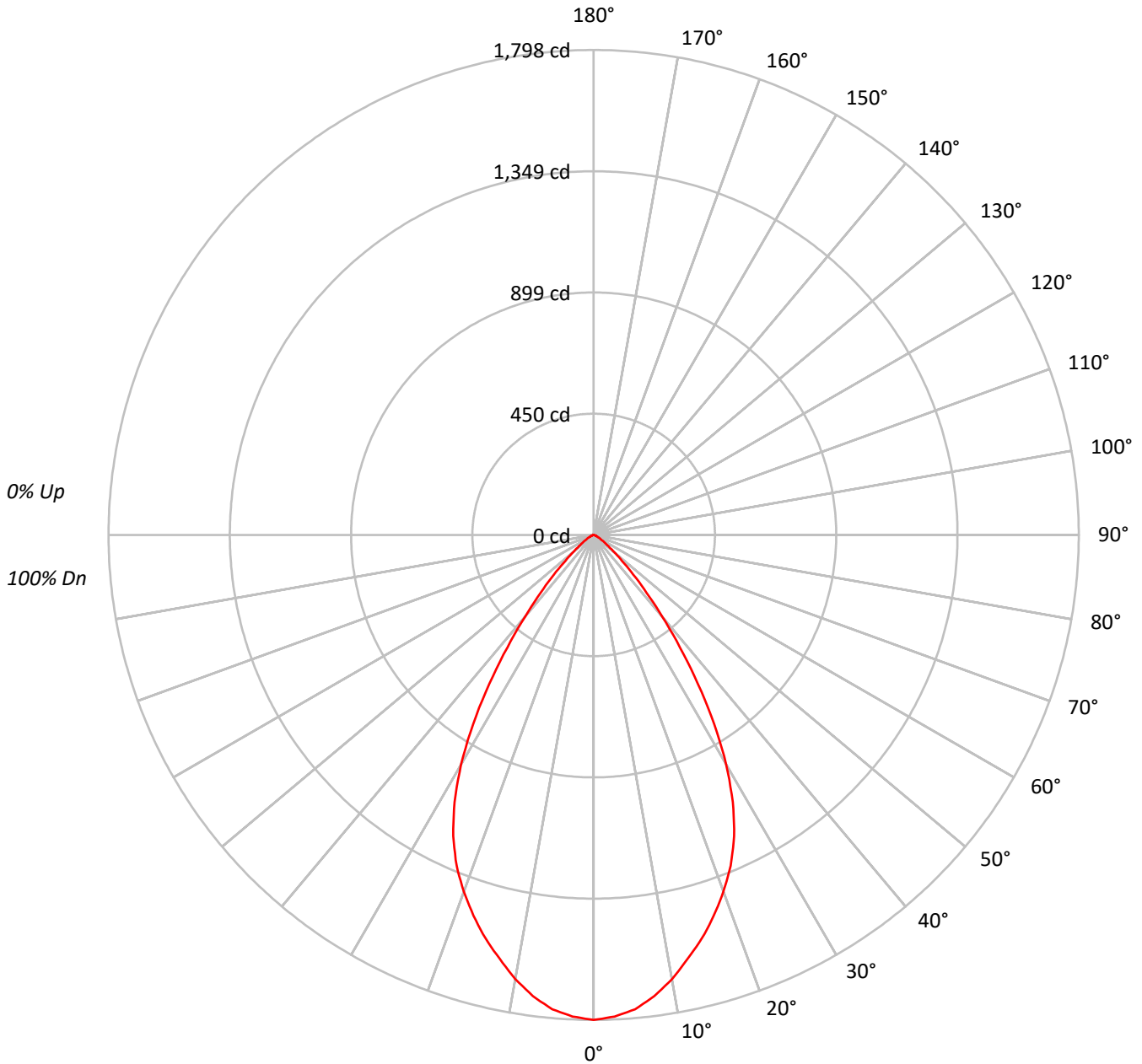
Input Watts (W): 30.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79	79	79	79
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73	73	73	73
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67	67	67	67
6	86	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62	62	62	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58	58	58	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54	54	54	54
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	52	50	50	50	50
10	69	59	53	49	68	59	53	49	58	52	49	57	52	48	56	52	48	47	47	47	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	196462
5°	193604
10°	185524
15°	175215
20°	163561
25°	148477
30°	123956
35°	89793
40°	56210
45°	32140
50°	16743
55°	9391
60°	5987
65°	3542
70°	2620
75°	1140
80°	1699
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.5	9.1
10°-20°	434.0	23.9
20°-30°	557.8	30.8
30°-40°	419.7	23.1
40°-50°	168.5	9.3
50°-60°	47.9	2.6
60°-70°	15.2	0.8
70°-80°	4.3	0.2
80°-90°	0.4	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1157.3	63.8
0°-40°	1577.0	87.0
0°-60°	1793.5	98.9
0°-90°	1813.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1813.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1798	
5°	1765	165
15°	1549	434
25°	1232	558
35°	673	420
45°	208	169
55°	49	48
65°	14	15
75°	3	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1798.1
2.5°	1787.1
5°	1765.2
7.5°	1724.2
10°	1672.2
12.5°	1609.2
15°	1549.0
17.5°	1480.6
20°	1406.7
22.5°	1327.3
25°	1231.6
27.5°	1116.6
30°	982.5
32.5°	832.0
35°	673.2
37.5°	525.5
40°	394.1
42.5°	290.1
45°	208.0
47.5°	142.3
50°	98.5
52.5°	68.4
55°	49.3
57.5°	35.6
60°	27.4
62.5°	19.2
65°	13.7
67.5°	10.9
70°	8.2
72.5°	5.5
75°	2.7
77.5°	2.7
80°	2.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)